

Date: _____

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NAME: TAYYIB NAVEED

Roll. No: 14P-0108

QUESTION (1)

	P_1	P_2	P_3	P_4	P_5	P_6
P_1	○					
P_2	9.23	○				
P_3	8	6.08	○			
P_4	6.32	5	8.48	○		
P_5	6.08	4	2.23	6.40	○	
P_6	10	7.82	8	8.48	5.38	○

	P_1, P_2	P_3	P_4	P_5	P_6
P_1, P_2	○				
P_3	7.04	○			
P_4	5.66	8.48	○		
P_5	5.04	2.23	6.40	○	
P_6	8.90	8	8.48	5.38	○

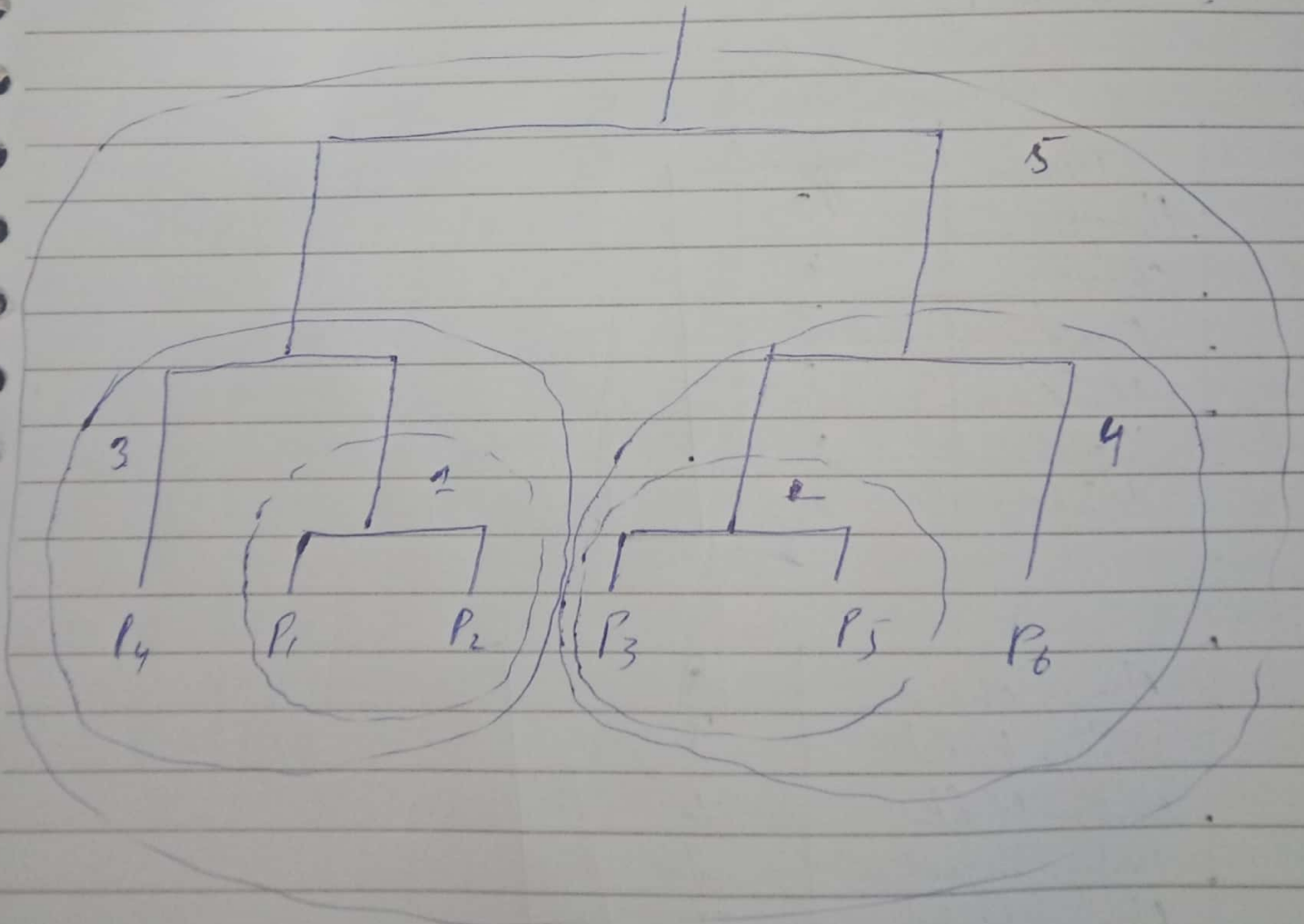
	P_1, P_2	P_3, P_5	P_4	P_6
P_1, P_2	○			
P_3, P_5	6.04	○		
P_4	5.66	7.44	○	
P_6	8.90	6.69	8.48	○

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	$P_1 P_2 P_4$	$P_3 P_5$	P_6
$P_1 P_2 P_4$	0		
$P_3 P_5$	8.74	0	
P_6	8.69	6.69	0

	$P_1 P_2 P_4$	$P_3 P_5 P_6$
$P_1 P_2 P_4$	0	
$P_3 P_5 P_6$	7.085	0



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Question (2)

Q:

Honey	3
cheese	4
Bread	7
Milk	5
Yogurt	4
Cake	3

Q:

Item	Support
Honey	3
cheese	4
Bread	7
Milk	5
Yogurt	4
Cake	3

Q:

Honey, cheese	2
Honey, Bread	3
Honey, Milk	1
Honey, Yogurt	2
Honey, Cake	0
cheese, Bread	3
cheese, Milk	2

Date: _____

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Cheese, Yogurt	1
Cheese, Cake	1
Bread, Milk	4
Bread, Yogurt	4
Bread, Cake	2
Milk, Yogurt	2
Milk, Cake	2
Yogurt, Cake	1

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Honey, cheese	2
Honey, Bread	3
Honey, Milk	
Honey, Yogurt	2
Honey, Cake	
Cheese, Bread	3
Cheese, Milk	2
Bread, Milk	4
Bread, Yogurt	4
Bread, Cake	2
Milk, Yogurt	2
Milk, Cake	2

Date:

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Honey, cheese, Bread	2
Honey, cheese, Yogurt	1
Honey, cheese, Milk	0
Honey, cheese, Cake	0
Honey, Bread, Yogurt	2
Honey, Bread, Milk	0
Honey, Bread, Cake	0
Honey, Yogurt, Bread	2
Honey, Yogurt, Milk	1
Honey, Yogurt, Cake	0
Cheese, Bread, Milk	1
Cheese, Bread, Yogurt	1
Cheese, Bread, Cake	0
Cheese, Milk, Yogurt	0
Cheese, Milk, Cake	1
Bread, Milk, Yogurt	2
Bread, Milk, Cake	1
Bread, Yogurt, Cake	1
Bread	
Milk, Yogurt, Cake	0

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Honey, cheese, Bread	2
Honey, Bread, Yogurt	2
Bread, Milk, Yogurt	2

Date:

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Rules	Support	Confidence
Honey, cheer \rightarrow Bread	2	$2/8 = 0.25$
Honey, Bread \rightarrow yogurt	2	$2/4 = 0.5$
Bread, Milk \rightarrow yogurt	2	$2/4 = 0.5$
Bread \rightarrow Honey, cheer	2	$2/2 = 1$
yogurt \rightarrow Honey, Bread	2	$2/3 = 0.66\%$
yogurt \rightarrow Bread, Milk	2	$2/4 = 0.5$

So,

yogurt \rightarrow Honey Bread = $0.66 = 66\%$